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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/767,415	01/28/2004	Kuo Yi-Lung	23724-07791	2851

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EXAMINER

HOFFBERG, ROBERT JOSEPH

ART UNIT	PAPER NUMBER
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2835

DATE MAILED: 10/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<p align="center">Office Action Summary</p>	Application No. 10/767,415	Applicant(s) YI-LUNG ET AL.	
	Examiner Robert J. Hoffberg	Art Unit 2835	

– The MAILING DATE of this communication appears on the cover sheet with the correspondence address –

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>11/1/04 5/9/05</u> | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
6) <input type="checkbox"/> Other: _____ |
|--|--|

Specification

1. The disclosure is objected to because of the following informalities: Para 0007 change "from to" to "from the".

Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claim 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Osborn et al. (US 6,034,870).

With respect to Claim 1, Osborn et al. teaches a cooling system for a personal computer, the cooling system comprising: a computer chassis (Fig. 3, #12); a motherboard (Fig. 3, #30) mounted inside the computer chassis, the motherboard for coupling a number of electronic components (Fig. 3, #32 and #35) that generate heat during operation, and a fan (Fig. 3, #36) mechanically coupled to the computer chassis and configured to direct an airflow (see Fig. 3) through the fan from outside the computer chassis to inside the computer chassis, the air flow cooling the electronic components.

With respect to Claim 2, Osborn et al. further teaches the fan is mounted on a wall (Fig. 3, #40) of the computer chassis.

With respect to Claim 3, Osborn et al. further teaches a motherboard with a socket for receiving a CPU (Fig. 3, #32); wherein the fan is configured to blow air directly towards the socket (see Fig. 3) from outside the computer chassis.

With respect to Claim 4, Osborn et al. further teaches a filter (Fig. 3, #42) mounted in a path of an airflow (see Fig. 3) from the fan, the filter for removing particles from air outside the computer chassis before being blown inside the computer chassis.

4. Claim 5 is rejected under 35 U.S.C. 102(b) as being anticipated by Tanaka et al. (US 5,934,368).

With respect to Claim 5, Tanaka et al. teaches in claim 1, a cooling system for a personal computer, the cooling system comprising: a computer chassis (Fig. 2, #20); a motherboard (Fig. 2, #2) mounted inside the computer chassis, the motherboard for coupling a number of electronic components (Fig. 2, #1) that generate heat (Col. 1, line 9) during operation, and a fan (part of Fig. 2, #21) mechanically coupled to the computer chassis and configured to direct an airflow through the fan from outside (Fig. 2) the computer chassis to inside the computer chassis, the air flow (see Fig. 2) cooling the electronic components. Tanaka et al. further teaches the computer chassis includes a plurality of air outlets (Fig. 2, arrows directing airflow out) located far from electronic components on the motherboard that generate a relatively large amount of heat (Col. 1, line 9), thereby avoiding a hotter air flow (Col. 5, line 25 cooling air newly introduced via the opening) near those components.

5. Claim 6 is rejected under 35 U.S.C. 102(b) as being anticipated by Kraus (US 2,948,518).

With respect to Claim 6, Kraus teaches in claim 1, a cooling system for a personal computer, the cooling system comprising: a computer chassis (Fig. 1, #10); a motherboard (Fig. 1, #14) mounted inside the computer chassis, the motherboard for coupling a number of electronic components (Fig. 1, #16, #19 and #20) that generate heat (Col. 1, lines 17-18) during operation, and a fan (Fig. 3, #41 pump) mechanically coupled to the computer chassis and configured to direct an airflow through the fan from outside (Fig. 1, #37) the computer chassis to inside the computer chassis, the air flow (see Fig. 1) cooling the electronic components. Kraus further teaches the computer chassis includes a plurality of air outlets (Fig. 1, #44 and #45) located near elements (Fig. 1, #19 and #20) on the motherboard for which less heat dissipation (Col. 1, lines 53-54) is desired, thereby causing a hotter air (Col. 1, lines 58-60) flow near those elements.

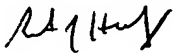
References submitted by a third party filed Feb. 15, 2005 exist in this application. These references have been considered, and references that are deemed to be of particular relevance by the examiner are cited as prior art on the PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert J. Hoffberg whose telephone number is (571) 272-2761. The examiner can normally be reached on 8:30 AM - 4:30 PM Mon - Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn D. Feild can be reached on (571) 272-2092. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2835

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RJH 


LYNN FEILD
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800